

**Commonwealth of Kentucky
Environmental and Public Protection Cabinet
Department for Environmental Protection
Division for Air Quality
803 Schenkel Lane
Frankfort, Kentucky 40601
(502) 573-3382**

Final

**AIR QUALITY PERMIT
Issued under 401 KAR 52:020**

Permittee Name: Grupo Antolin Kentucky, Inc.
Mailing Address: 208 Commerce Court, Hopkinsville, KY 42240

Source Name: Grupo Antolin Kentucky, Inc.
Mailing Address: 208 Commerce Court
Hopkinsville, Kentucky 42240


Source Location: 208 Commerce Court, Hopkinsville, Kentucky

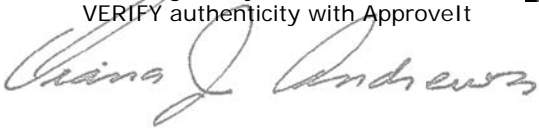
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Regional Office: Paducah Regional Office
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E-Signed by Diana Andrews
VERIFY authenticity with ApproveIt 



**John S. Lyons, Director
Division for Air Quality**

TABLE OF CONTENTS

SECTION	DATE OF ISSUANCE	PAGE
A. PERMIT AUTHORIZATION	Jan. 19, 2006	1
B. EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS	Jan. 19, 2006	2
C. INSIGNIFICANT ACTIVITIES	Aug. 14, 2002	22
D. SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS	Aug. 14, 2002	23
E. SOURCE CONTROL EQUIPMENT OPERATING REQUIREMENTS	Aug. 14, 2002	24
F. MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS	Aug. 14, 2002	25
G. GENERAL PROVISIONS	Jan. 19, 2006	28
H. ALTERNATE OPERATING SCENARIOS	Aug. 14, 2002	33
I. COMPLIANCE SCHEDULE	Aug. 14, 2002	33

Rev #	Permit type	Log or Activity#	Complete Date	Issuance Date	Summary of Action
----	Initial Issuance	54046	4/4/02	8/14/02	
1	Minor Revision	APE20050004	--	1/19/06	<ul style="list-style-type: none"> • Added bag filter, HEPA filter and gas cooling duct to EP06, (Previous Section 502(b)(10) Change). • Removed (1) spray booth from EP04B. • Revised particulate control for EP05 from water-wall to dry filters. • Revised Section A, Permit Authorization and Section G, General Provisions to current language. • Added 401 KAR 63:020 as applicable regulation for coating booths.

SECTION A - PERMIT AUTHORIZATION

Pursuant to a duly submitted application the Kentucky Division for Air Quality hereby authorizes the operation of the equipment described herein in accordance with the terms and conditions of this permit. This permit has been issued under the provisions of Kentucky Revised Statutes Chapter 224 and regulations promulgated pursuant thereto.

The permittee shall not construct, reconstruct, or modify any affected facilities without first submitting a complete application and receiving a permit for the planned activity from the permitting authority, except as provided in this permit or in 401 KAR 52:020, Title V Permits.

Issuance of this permit does not relieve the permittee from the responsibility of obtaining any other permits, licenses, or approvals required by this Cabinet or any other federal, state, or local agency.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS**EP03 Four Foam Cutting Machines****Description:**

Four (4) Fecken Kirfel H24E foam cutting machines with integral dust control systems.
Construction commenced: 1995.

APPLICABLE REGULATIONS:

401 KAR 59:010, New process operations applicable to each affected facility associated with a process operation which is not subject to another emission standard with respect to particulates in Chapter 59 of 401 KAR commenced on or after July 2, 1975.

1. Operating Limitations:**401 KAR 59:010**

The particulate control system on each machine shall be operated and maintained in accordance with the manufacturer's recommendations unless otherwise allowed in this permit.

2. Emission Limitations:**401 KAR 59:010**

- (1) Section 3(1) limits visible emissions from each machine to less than 20% opacity.
- (2) Section 3(2) limits total particulate matter emissions from flues, conduits, or ducts associated with each machine to a maximum of 2.34 lbs/hr if the process weight rate for the machine is 1,000 lbs/hr or less. If the process weight rate for any cutting machine is above 1,000 lbs/hr, Section 3(2) limits emissions of particulate matter from the machine to a maximum that can be determined (in lbs/hr) by taking the process weight rate for materials introduced into the machine (in tons/hr), raising the process weight rate value to the 0.62 power, and multiplying by 3.59 (maximum = $3.59 \times \text{process weight rate}^{0.62}$).

Compliance Demonstration Method:

Compliance with Operating Limitation #1 may be used to demonstrate compliance unless the Cabinet deems testing (in accordance with 40 CFR 60 Appendix A, Method 9 or 5) necessary.

3. Testing Requirements:

Testing shall be conducted at such times as may be required by the cabinet in accordance with Regulations 401 KAR 59:005 Section 2(2) and 401 KAR 50:045 Section 4.

4. Specific Monitoring Requirements:

N/A

5. Specific Recordkeeping Requirements:

Maintenance (including filter cleaning and replacement) performed as part of compliance with Operating Limitation #1 shall be recorded and include date and time when performed.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

6. Specific Reporting Requirements:

Report semiannually any deviations from the above terms and conditions during the period.

7. Specific Control Equipment Operating Conditions:

N/A

8. Alternate Operating Scenarios:

N/A

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**EP04A Five Roll Coat Adhesive Application Booths for Headliner Production****Description:**

In EP04A, adhesive is roll coated onto foam sheets as part of headliner production.

Construction Commenced: 1995.

APPLICABLE REGULATIONS:

401 KAR 63:020, Potentially hazardous matter or toxic substances, applicable to each affected facility which emits or may emit potentially hazardous matter or toxic substances.

1. Operating Limitations:

N/A

2. Emission Limitations:**401 KAR 63:020**

The source is in compliance with 401 KAR 63:020 based on the emission rates of toxics given in the application submitted by the source. If the source alters process rates, material formulations, or any other factor that would result in an increase of toxic emissions or the addition of toxic emissions not previously evaluated by the Division, the source shall submit the appropriate application forms pursuant to 401 KAR 52:030, Section 3(1)(a), along with modeling to show that the facility will remain in compliance with 401 KAR 63:020.

3. Testing Requirements:

Testing shall be conducted at such times as may be required by the cabinet in accordance with Regulation 401 KAR 50:045 Section 4.

4. Specific Monitoring Requirements:

N/A

5. Specific Recordkeeping Requirements:

N/A

6. Specific Reporting Requirements:

N/A

7. Specific Control Equipment Operating Conditions:

N/A

8. Alternate Operating Scenarios:

N/A

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**EP04B Spray Coat Adhesive Application Booth for Headliner Production****Description:**

Foam sheets enter the booth through a small opening on a conveyor. Adhesive is sprayed downward onto the sheets. The sheets exit the booth through a small opening on a conveyor and become part of the assembled headliners.

Transfer efficiency has been assumed to be 25%.

Booth has downdraft airflow pattern with an assumed to 100% capture efficiency.

Particulate emissions are controlled by a water curtain followed by a dry filter. The control efficiency has been assumed to be 90%.

Dirty spray heads are cleaned by placing the spray heads in a pan of solvent and heating the solvent in one of two electric ovens. Following heating in an oven, the spray heads are brushed off.

Construction commenced: 1995.

APPLICABLE REGULATIONS:

401 KAR 59:010, New process operations applicable to each affected facility associated with a process operation which is not subject to another emission standard with respect to particulates in Chapter 59 of 401 KAR commenced on or after July 2, 1975.

401 KAR 63:020, Potentially hazardous matter or toxic substances, applicable to each affected facility which emits or may emit potentially hazardous matter or toxic substances.

1. Operating Limitations:**401 KAR 59:010**

- (1) At all times when spraying, the booth filters shall be in place and shall be replaced when determined to be inefficient (as determined through visual inspection).
- (2) The water curtain shall be operated and maintained in accordance with the manufacturer's recommendations unless otherwise allowed in this permit.

2. Emission Limitations:**401 KAR 59:010**

- (1) Section 3(1) limits visible emissions from each booth to less than 20% opacity.
- (2) Section 3(2) limits total particulate matter emissions from each booth to a maximum of 2.34 lbs/hr.

Compliance Demonstration Method:

Compliance with Operating Limitations #1 and #2 may be used to demonstrate compliance unless the Cabinet deems testing (in accordance with 40 CFR 60 Appendix A, Method 9 or 5) necessary.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**2. Emission Limitations: (continued)****401 KAR 63:020**

The source is in compliance with 401 KAR 63:020 based on the emission rates of toxics given in the application submitted by the source. If the source alters process rates, material formulations, or any other factor that would result in an increase of toxic emissions or the addition of toxic emissions not previously evaluated by the Division, the source shall submit the appropriate application forms pursuant to 401 KAR 52:030, Section 3(1)(a), along with modeling to show that the facility will remain in compliance with 401 KAR 63:020.

3. Testing Requirements:

Testing shall be conducted at such times as may be required by the cabinet in accordance with Regulations 401 KAR 59:005 Section 2(2) and 401 KAR 50:045 Section 4.

4. Specific Monitoring Requirements:**401 KAR 59:010**

The following is required as part of compliance demonstration for Emission Limitations #1 and #2.

- (1) Filter condition shall be observed daily (when booth is operated).

5. Specific Recordkeeping Requirements:**401 KAR 59:010**

The following is required as part of compliance demonstration for Emission Limitations #1 and #2.

- (1) Filter observations such as clogged, torn, or operational shall be recorded when monitored and include date and time.
- (2) Filter replacement and other corrective actions for compliance with Operating Limitation #1 shall be recorded and include date and time.
- (3) Maintenance performed as part of compliance with Operating Limitation #2 shall be recorded and include date and time when performed.

6. Specific Reporting Requirements:**401 KAR 59:010**

The following is required as part of compliance demonstration for Emission Limitations #1 and #2.

- (1) Report semiannually any deviations from the above terms and conditions during the period.

7. Specific Control Equipment Operating Conditions:

N/A

8. Alternate Operating Scenarios:

N/A

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

EP05 Spray Coat Adhesive Application Booth for Packaging Tray (Rear Window Deck Board) Production.

Description:

Maximum Adhesive Application: 40 lbs/hr

Particulate emissions controlled by dry filters.

Construction Commenced: 1999.

APPLICABLE REGULATIONS:

401 KAR 59:010, New process operations applicable to each affected facility associated with a process operation which is not subject to another emission standard with respect to particulates in Chapter 59 of 401 KAR commenced on or after July 2, 1975.

401 KAR 63:020, Potentially hazardous matter or toxic substances, applicable to each affected facility which emits or may emit potentially hazardous matter or toxic substances.

1. Operating Limitations:

At all times when spraying, the booth filters shall be in place and shall be replaced when determined to be inefficient (as determined through visual inspection).

2. Emission Limitations:

401 KAR 59:010

(1) Section 3(1) limits visible emissions from each booth to less than 20% opacity.

(2) Section 3(2) limits total particulate matter emissions from each booth to a maximum of 2.34 lbs/hr.

Compliance Demonstration Method:

Compliance with Operating Limitations may be used to demonstrate compliance unless the Cabinet deems testing (in accordance with 40 CFR 60 Appendix A, Method 9 or 5) necessary.

401 KAR 63:020

The source is in compliance with 401 KAR 63:020 based on the emission rates of toxics given in the application submitted by the source. If the source alters process rates, material formulations, or any other factor that would result in an increase of toxic emissions or the addition of toxic emissions not previously evaluated by the Division, the source shall submit the appropriate application forms pursuant to 401 KAR 52:030, Section 3(1)(a), along with modeling to show that the facility will remain in compliance with 401 KAR 63:020.

3. Testing Requirements:

Testing shall be conducted at such times as may be required by the cabinet in accordance with Regulations 401 KAR 59:005 Section 2(2) and 401 KAR 50:045 Section 4.

4. Specific Monitoring Requirements:

Filter condition shall be observed daily (when booth is operated).

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

5. Specific Recordkeeping Requirements:

The permittee shall maintain a log of visual inspections of the dry filters, including the time, date, identity of the personnel making the record, and dates of filter replacements. If the spray booth that is not in operation on a given date, this fact should also be noted.

6. Specific Reporting Requirements:

N/A

7. Specific Control Equipment Operating Conditions:

N/A

8. Alternate Operating Scenarios:

N/A

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**EP06 A 1,000 lb/hr Industrial Waste Incinerator****Description:**

Pennram Diversified Manufacturing PHCA-100 Incineration System equipped with a counter-flow caustic wet scrubber to control dust and acid emissions. A bag filter, HEPA filter and several hundred feet of gas cooling duct are included for control of lead, PM and dioxins-furans emissions.

The incinerator has a maximum rated capacity of 1,000 lbs/hr and is a modular starved-air combustor with 2 combustion chambers.

Waste is charged into the first chamber where the waste's volume is reduced by volatilization and incomplete oxidation of the combustible part of the waste. The incombustible part of the waste remains in the ash and the volatilized portion continues to the second combustion chamber. In the second combustion chamber oxidation is nearly completed by utilizing temperatures of approximately 2000° F, approximately 2 seconds of residence time, and excess air.

Control efficiency is estimated at or above 90%.

Construction commenced: July 2002.

APPLICABLE REGULATIONS:

401 KAR 59:020, New incinerators, is applicable to each incinerator commenced on or after June 6, 1979.

401 KAR 60:005, 40 CFR Part 60 standards of performance for new stationary sources, is applicable due to incorporation by reference of 40 CFR 60 Subpart CCCC, Standards of performance for commercial and industrial solid waste incineration units for which construction is commenced after November 30, 1999 or for which modification or reconstruction is commenced on or after June 1, 2001.

Specific definitions applicable to terms and conditions related to this emission point:

“Accessible” means directly operating the incinerator, at the facility, or can be at the facility within 1 hour.

“Qualified operator” is a person who successfully passes the examination for a State-approved incinerator training course or an equivalent training course and maintains the qualified status through an annual review or refresher course.

“Review or refresher course” is a training course that, at a minimum, covers:

- (1) Applicable regulation updates;
- (2) Incinerator operation (including startup and shutdown procedures, waste charging, and ash handling);
- (3) Inspection and maintenance;
- (4) Responses to malfunctions or conditions that may lead to malfunction; and
- (5) A discussion of operating problems encountered by attendees.

“Site-specific information” is:

- (1) A summary of the applicable standards required by this permit for the incinerator,
- (2) Procedures for receiving, handling, and charging waste,

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**Specific definitions (continued)**

- (3) Incinerator startup, shutdown, and malfunction procedures,
- (4) Procedures for maintaining proper combustion air supply levels,
- (5) Procedures for operating the incinerator and associated air pollution control systems within the standards established by this permit,
- (6) Monitoring procedures for demonstrating compliance with the incinerator operating limits,
- (7) Reporting and record keeping procedures associated with operation of the incinerator,
- (8) The waste management plan submitted to the Division for the incinerator,
- (9) Procedures for handling ash,
- (10) A list of the wastes burned during the performance test,
- (11) The name of each operator who has reviewed items 1 through 10 of the site-specific information (including the date of initial review and subsequent annual reviews),
- (12) The name of each qualified operator (including documentation of training, the dates of training at a State-approved incinerator training course or an equivalent training course, the dates of training at review or refresher courses, and the qualification dates for each training course for each qualified operator),
- (13) The phone and/or pager number at which each qualified operator can be reached during operating hours.

“State-approved incinerator training course or an equivalent training course” shall, at a minimum, include:

- (1) Written materials for course training topics suitable for reference following the course;
- (2) Training on the following subjects:
 - a. Environmental concerns (including emissions),
 - b. Basic combustion principles (including products of combustion),
 - c. Operation of the specific type of incinerator to be used by the operator (including proper startup, waste charging, and shutdown procedures),
 - d. Combustion controls and monitoring,
 - e. Operation of air pollution control equipment and factors affecting performance,
 - f. Inspection and maintenance of the incinerator and air pollution control devices,
 - g. Actions to correct malfunctions or conditions that may lead to malfunction,
 - h. Bottom and fly ash characteristics and handling procedures,
 - i. Applicable Federal, State, and local regulations (including Occupational Safety and Health Administration workplace standards),
 - j. Pollution prevention, and
 - k. Waste management practices;
- (3) A qualification examination designed and administered by the instructor.

1. Operating Limitations:**401 KAR 59:020**

- (1) A nameplate shall be installed in a conspicuous place on the incinerator. The nameplate shall give the manufacturer's name, model number, rated capacity, and the types of waste materials that the unit is designed to handle.

40 CFR 60 Subpart CCCC, 401 KAR 59:020, and agreement with the Division

- (2) The incinerator shall be used to burn only headliner trim scrap and rigid polyurethane foam scrap.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**1. Operating Limitations: (continued)**

- (3) Initial startup shall not be initiated unless the Division approves the debugging plan to be submitted by the permittee.
- (4) Excluding the first 45 days after initial startup, the incinerator shall be operated only if a qualified operator is accessible (except when a qualified operator is temporarily not accessible).
- (5) Excluding the first 45 days after initial startup, operation of the incinerator shall be allowed only if the site-specific information is established, suitable for inspection upon request by representatives of the Division, available at the facility, and readily accessible to all incinerator operators.
- (6) If persons other than qualified operators listed in the source's site-specific information operate the incinerator, they shall initially review and annually review items 1 through 10 of the site-specific information with a qualified operator at the source prior to operating the incinerator.
- (7) Except when a qualified operator is temporarily not accessible, a person who is not a qualified operator may operate the incinerator only if Operating Limitation #6 is complied with and a qualified operator is the person's direct supervisor.
- (8) When all qualified operators are temporarily not accessible, other plant personnel familiar with operation of the incinerator may operate the incinerator if they have complied with Operating Limitation #6 and
 - a. For period of 8 hours to 2 weeks, the period when qualified operators where temporarily not accessible is recorded and reported in the source's annual report to the Division.
 - b. For periods greater than 2 weeks,
 - i. The permittee notifies the Division of this deviation in writing (including what caused this deviation, what you are doing to ensure that a qualified operator is accessible, and when you anticipate that a qualified operator will be accessible) within 10 days of initial determination of the extended temporary accessibility problem, and
 - ii. The permittee submits status reports to the Division every 4 weeks following the notification described in Operating Limitations # 8bi outlining what is being done to ensure that a qualified operator is accessible, stating the anticipated end of the extended temporary accessibility problem, and requesting approval from the Division to continue operation of the incinerator. If the Division denies the the permittee's request to continue operation of the incinerator, all operation of the incinerator must cease within 90 days unless a qualified operator becomes accessible and the permittee notifies the Division that operation of the incinerator is resuming since a qualified operator is now accessible.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**1. Operating Limitations: (continued)**

- (9) The maximum charge rate for the incinerator shall be 110% of the average charge rate measured during the most recent performance test demonstrating compliance with all applicable emission limitations.

Compliance Demonstration Method:

To demonstrate compliance, install, calibrate (to the manufacturer's specifications), maintain, and operate a platform scale for measuring charge rate. At all times the incinerator is operating (except during malfunctions, associated repairs, and required quality assurance or quality control activities), continuously monitor the mass of materials to be charged to the incinerator and record the mass charged each hour.

Excluding data collected during malfunctions, associated repairs, and required quality assurance or quality control activities, compliance is demonstrated if the average charge rate each hour, calculated from data for the previous 3 operating hours, is no greater than 110% of the average charge measured during the most recent performance test demonstrating compliance with all applicable emission limitations.

- (10) The incinerator shall not be operated unless the wet scrubber is operating normally with pressure drop across the scrubber measured to be at least 90% of the average pressure drop across the wet scrubber determined during the most recent performance test demonstrating compliance with the particulate matter emission limitations.

Compliance Demonstration Method:

To demonstrate compliance, install, calibrate (to the manufacturer's specifications), maintain, and operate a pressure measurement device with pressure taps before and after the scrubber to measure pressure drop across the scrubber. At all times the incinerator is operating (except during malfunctions, associated repairs, and required quality assurance or quality control activities), continuously monitor the pressure drop across the scrubber and record the pressure drop every 15 minutes.

Excluding data collected during malfunctions, associated repairs, and required quality assurance or quality control activities, compliance is demonstrated if the incinerator is operated only when the average pressure drop each hour, calculated from data for the previous 3 operating hours, is no less than 90% of the average pressure drop measured during the most recent performance test demonstrating compliance with the particulate matter emission limitations.

- (11) The incinerator shall not be operated unless the wet scrubber is operating normally with scrubber liquor flow rate at the inlet to the scrubber measured to be at least 90% of the average liquor flow rate at the inlet to the wet scrubber determined during the most recent performance test demonstrating compliance with all applicable emission limitations.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**1. Operating Limitations: (continued)****Compliance Demonstration Method:**

To demonstrate compliance, install, calibrate (to the manufacturer's specifications), maintain, and operate a flow rate measurement device at the inlet of the scrubber to measure liquor flow rate into the scrubber. At all times the incinerator is operating (except during malfunctions, associated repairs, and required quality assurance or quality control activities), continuously monitor the liquor flow rate into the scrubber and record the flow rate every 15 minutes.

Excluding data collected during malfunctions, associated repairs, and required quality assurance or quality control activities, compliance is demonstrated if the incinerator is operated only when the average liquor flow rate each hour, calculated from data for the previous 3 operating hours, is no less than 90% of the average liquor flow rate into the scrubber measured during the most recent performance test demonstrating compliance with all applicable emission limitations.

- (12) The incinerator shall not be operated unless the wet scrubber is operating normally with scrubber liquor pH at the inlet to the scrubber measured to be at least 90% of the average liquor pH at the inlet to the wet scrubber determined during the most recent performance test demonstrating compliance with the HCl emission limitation.

Compliance Demonstration Method:

To demonstrate compliance, install, calibrate (to the manufacturer's specifications), maintain, and operate a pH measurement device at the inlet of the scrubber to measure liquor pH at the inlet to the scrubber. At all times the incinerator is operating (except during malfunctions, associated repairs, and required quality assurance or quality control activities), continuously monitor the pH at the inlet to the scrubber and record the pH every 15 minutes.

Excluding data collected during malfunctions, associated repairs, and required quality assurance or quality control activities, compliance is demonstrated if the incinerator is operated only when the average pH each hour, calculated from data for the previous 3 operating hours, is no less than 90% of the average pH at the inlet to the scrubber measured during the most recent performance test demonstrating compliance with the HCl emission limitation.

- (13) During incinerator operation, the minimum temperature of the incinerator at the primary chamber exit shall be no more than 50°F below the average temperature at the primary chamber exit measured during the most recent performance test demonstrating compliance with all applicable emission limitations.

Compliance Demonstration Method:

To demonstrate compliance, install, calibrate (to the manufacturer's specifications), maintain, and operate a temperature measurement device at the primary chamber exit. At all times the incinerator is operating (except during malfunctions, associated repairs, and required quality assurance or quality control activities), continuously monitor and record the temperature at the primary chamber exit.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**1. Operating Limitations: (continued)****Compliance Demonstration Method (Continued):**

Excluding data collected during malfunctions, associated repairs, and required quality assurance or quality control activities, compliance is demonstrated if the incinerator is operated only when the average temperature each hour, calculated from data for the previous 3 operating hours, is no more than 50°F below the average temperature at the primary chamber exit measured during the most recent performance test demonstrating compliance with the all applicable emission limitations.

- (14) During incinerator operation, the minimum temperature of the incinerator at the secondary chamber exit shall be no more than 50°F below the average temperature at the secondary chamber exit measured during the most recent performance test demonstrating compliance with all applicable emission limitations.

Compliance Demonstration Method:

To demonstrate compliance, install, calibrate (to the manufacturer's specifications), maintain, and operate a temperature measurement device at the secondary chamber exit. At all times the incinerator is operating (except during malfunctions, associated repairs, and required quality assurance or quality control activities), continuously monitor and record the temperature at the secondary chamber exit.

Excluding data collected during malfunctions, associated repairs, and required quality assurance or quality control activities, compliance is demonstrated if the incinerator is operated only when the average temperature each hour, calculated from data for the previous 3 operating hours, is no more than 50°F below the average temperature at the primary chamber exit measured during the most recent performance test demonstrating compliance with the all applicable emission limitations.

- (15) During incinerator operation, the minimum oxygen concentration in the incinerator at the secondary chamber exit shall be 90% of the average oxygen concentration at the secondary chamber exit measured during the most recent performance test demonstrating compliance with all applicable emission limitations.

Compliance Demonstration Method:

To demonstrate compliance, install, calibrate (to the manufacturer's specifications), maintain, and operate an oxygen concentration measurement device at the secondary chamber exit. At all times the incinerator is operating (except during malfunctions, associated repairs, and required quality assurance or quality control activities), continuously monitor the oxygen concentration at the secondary chamber exit and record the oxygen concentration every 15 minutes.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

1. Operating Limitations: (continued)

Compliance Demonstration Method (Continued):

Excluding data collected during malfunctions, associated repairs, and required quality assurance or quality control activities, compliance is demonstrated if the incinerator is operated only when the average oxygen concentration each hour, calculated from data for the previous 3 operating hours, is no less than 90% of the average oxygen concentration at the secondary chamber exit measured during the most recent performance test demonstrating compliance with all applicable emission limitations.

- (16) Excluding the first 45 days after initial startup, the incinerator shall be operated only if the most recent performance test applicable to each pollutant regulated through 40 CFR 60 Subpart CCCC indicates compliance with the applicable emission limitation. If testing indicates that the incinerator is not in compliance with any applicable emission limitation, the incinerator shall be operated only for the purpose of performance testing.

2. Emission Limitations:

401 KAR 59:020

- (1) Section 3(2)(a) limits total particulate matter emissions from the unit to a maximum of 230 mg / dry standard cubic meter corrected to 12% CO₂ excluding contribution of CO₂ from auxiliary fuel.

Compliance Demonstration Method:

Compliance is demonstrated through annual testing described in Testing Requirement #1 and compliance with Operating Limitations #2 through #16.

40 CFR 60 Subpart CCCC and agreement with the Division

- (2) Dioxins/furans emitted from the incinerator shall be no more than 0.41 nanograms / dry standard cubic meter on a toxic equivalency basis and corrected to 7% oxygen under standard conditions.

Compliance Demonstration Method:

Toxic equivalency is determined with 2,3,7,8-tetrachlorinated dibenzo-p-dioxin as the reference compound and the following toxic factors used to describe equivalency.

<u>Dioxin or furan</u>	<u>Equivalency factor</u>
2,3,7,8-tetrachlorinated dibenzo-p-dioxin	1
1,2,3,7,8-pentachlorinated dibenzo-p-dioxin	0.5
1,2,3,4,7,8-hexachlorinated dibenzo-p-dioxin	0.1
1,2,3,7,8,9-hexachlorinated dibenzo-p-dioxin	0.1
1,2,3,6,7,8-hexachlorinated dibenzo-p-dioxin	0.1
1,2,3,4,6,7,8-heptachlorinated dibenzo-p-dioxin	0.01
octachlorinated dibenzo-p-dioxin	0.001

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

2. Emission Limitations (Continued):

40 CFR 60 Subpart CCCC and agreement with the Division

Compliance Demonstration Method (Continued):

<u>Dioxin or furan</u>	<u>Equivalency factor</u>
2,3,7,8-tetrachlorinated dibenzofuran	0.1
2,3,4,7,8-pentachlorinated dibenzofuran	0.5
1,2,3,7,8-pentachlorinated dibenzofuran	0.05
1,2,3,4,7,8-hexachlorinated dibenzofuran	0.1
1,2,3,6,7,8-hexachlorinated dibenzofuran	0.1
1,2,3,7,8,9-hexachlorinated dibenzofuran	0.1
2,3,4,6,7,8-hexachlorinated dibenzofuran	0.1
1,2,3,4,6,7,8-heptachlorinated dibenzofuran	0.01
1,2,3,4,7,8,9-heptachlorinated dibenzofuran	0.01
octachlorinated dibenzofuran	0.001

Because equivalency is considered, measured emissions must be adjusted by the equivalency factor when demonstrating compliance. For example, if 0.2 nanograms of 2,3,7,8-tetrachlorinated dibenzo-p-dioxin, 50 nanograms of octachlorinated dibenzo-p-dioxin, and 1.5 nanograms 1,2,3,7,8,9-hexachlorinated dibenzofuran are measured, the equivalent dioxin/furan emission is not 51.7 nanograms. The equivalent dioxin/furan emission is 0.40 nanograms in the example since $0.2 \times 1 + 50 \times 0.001 + 1.5 \times 0.1 = 0.40$.

Compliance is demonstrated through initial testing measurements, subsequent testing measurements, utilization of the equivalency factors on the test measurements, and compliance with Operating Limitations #2 through #16. Testing is described in Testing Requirement #2.

- (3) Hydrogen chloride emitted from the incinerator shall be no more than 62 parts per million by dry volume corrected to 7% oxygen under standard conditions.

Compliance Demonstration Method:

Compliance is demonstrated through annual testing described in Testing Requirement #3 and compliance with Operating Limitations #2 through #16.

- (4) Lead emitted from the incinerator shall be no more than 0.04 mg / dry standard cubic meter corrected to 7% oxygen under standard conditions.

Compliance Demonstration Method:

Compliance is demonstrated through an initial test described in Testing Requirement #4 and is subsequently assumed if Operating Limitations #2 through #16 are complied with.

- (5) Mercury emitted from the incinerator shall be no more than 0.47 mg / dry standard cubic meter corrected to 7% oxygen under standard conditions.

Compliance Demonstration Method:

Compliance is demonstrated through an initial test described in Testing Requirement #4 and is subsequently assumed if Operating Limitations #2 through #16 are complied with.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**2. Emission Limitations (Continued):****40 CFR 60 Subpart CCCC and agreement with the Division**

- (6) Visible emissions from the incinerator shall be limited to a maximum of 10% opacity *[this requirement will also satisfy the opacity requirement of 401 KAR 59:020 Section 3(1)]*.

Compliance Demonstration Method:

Compliance is demonstrated through annual testing described in Testing Requirement #5 and compliance with Operating Limitations #2 through #16.

- (7) NO_x emitted from the incinerator shall be no more than 388 parts per million by dry volume corrected to 7% oxygen under standard conditions.

Compliance Demonstration Method:

Compliance is demonstrated through an initial test described in Testing Requirement #6 and is subsequently assumed if Operating Limitation #2 is complied with.

- (8) Particulate matter emitted from the incinerator shall be no more than 70 mg / dry standard cubic meter corrected to 7% oxygen under standard conditions.

Compliance Demonstration Method:

Compliance is demonstrated through annual testing described in Testing Requirement #7 and compliance with Operating Limitations #2 through #16.

- (9) SO₂ emitted from the incinerator shall be no more than 20 parts per million by dry volume corrected to 7% oxygen under standard conditions.

Compliance Demonstration Method:

Compliance is demonstrated through an initial test described in Testing Requirement #8 and is subsequently assumed if Operating Limitations #2 through #16 are complied with.

3. Testing Requirements:**By agreement with the Division****401 KAR 59:020**

- (1) Initial compliance testing for Emission Limitation #1 shall be performed as described in 401 KAR 59:020 Section 6 or Section 7 using EPA Methods 1, 2, 3, and 5 of 40 CFR 60 Appendix A (except as alternatively approved by the U.S. EPA and the Division). Subsequent testing shall be conducted at such times as may be required by the cabinet in accordance with Regulations 401 KAR 59:005 Section 2(2) and 401 KAR 50:045 Section 4.

40 CFR 60 Subpart CCCC and agreement with the Division

- (2) An initial compliance test shall be performed as described in 40 CFR 60.2125 using EPA Methods 1, 2, 3, and 23 of 40 CFR 60 Appendix A (except as alternatively approved by the U.S. EPA and the Division) to demonstrate dioxin/furan toxic equivalency emissions of the incinerator. Subsequent testing shall be completed within 12 months of the previous test, except if the permittee has 3 years of test data for dioxins/furans indicating compliance without a subsequent failure to demonstrate compliance, the permittee requests a period of up to 36 months between tests, and the Division approves the extended period between tests.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**3. Testing Requirements: (continued)**

- (3) An initial compliance test shall be performed as described in 40 CFR 60.2125 using EPA Methods 1, 2, 3, and 26A of 40 CFR 60 Appendix A (except as alternatively approved by the U.S. EPA and the Division) to demonstrate hydrogen chloride emissions of the incinerator. Subsequent testing shall be completed within 12 months of the previous test, except if the permittee has 3 years of test data for HCl indicating compliance without a subsequent failure to demonstrate compliance, the permittee requests a period of up to 36 months between tests, and the Division approves the extended period between tests.
- (4) An initial compliance test shall be performed as described in 40 CFR 60.2125 using EPA Methods 1, 2, 3, and 29 of 40 CFR 60 Appendix A (except as alternatively approved by the U.S. EPA and the Division) to demonstrate lead and mercury emissions of the incinerator.
- (5) An initial compliance test shall be performed as described in 40 CFR 60.2125 using EPA Methods 1, 2, 3, and 9 of 40 CFR 60 Appendix A (except as alternatively approved by the U.S. EPA and the Division) to demonstrate opacity of emissions from the incinerator. Subsequent testing shall be completed within 12 months of the previous test, except if the permittee has 3 years of test data for opacity indicating compliance without a subsequent failure to demonstrate compliance, the permittee requests a period of up to 36 months between tests, and the Division approves the extended period between tests.
- (6) An initial compliance test shall be performed as described in 40 CFR 60.2125 using EPA Methods 1, 2, 3, and 7, 7A, 7C, 7D, or 7E of 40 CFR 60 Appendix A (except as alternatively approved by the U.S. EPA and the Division) to demonstrate NO_x emissions of the incinerator.
- (7) An initial compliance test shall be performed as described in 40 CFR 60.2125 using EPA Methods 1, 2, 3, and 5 or 29 of 40 CFR 60 Appendix A (except as alternatively approved by the U.S. EPA and the Division) to demonstrate particulate matter emissions of the incinerator. Subsequent testing shall be completed within 12 months of the previous test, except if the permittee has 3 years of test data for particulate matter indicating compliance without a subsequent failure to demonstrate compliance, the permittee requests a period of up to 36 months between tests, and the Division approves the extended period between tests.
- (8) An initial compliance test shall be performed as described in 40 CFR 60.2125 using EPA Methods 1, 2, 3, and 6 or 6c of 40 CFR 60 Appendix A (except as alternatively approved by the U.S. EPA and the Division) to demonstrate SO₂ emissions of the incinerator.

4. Specific Monitoring Requirements:

See Operating Limitations #9 through #15.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**5. Specific Recordkeeping Requirements:****40 CFR 60 Subpart CCCC, 401 KAR 59:020, and agreement with the division.**

All records shall include the calendar date that they represent and shall be maintained by the permittee for at least 5 years. All records must be available onsite in paper or an immediately printable electronic format.

- (1) Record the incinerator charge dates, times, weights, and hourly charge rates.
- (2) Record the liquor flow rate to the wet scrubber inlet every 15 minutes of operation.
- (3) Record the pressure drop across the wet scrubber system every 15 minutes of operation.
- (4) Record the liquor pH as introduced to the wet scrubber every 15 minutes of operation.
- (5) Continuously record the temperature at the primary chamber exit during incinerator operation.
- (6) Continuously record the temperature at the secondary chamber exit during incinerator operation.
- (7) Record the oxygen concentration at the secondary chamber exit every 15 minutes of operation.
- (8) Record the calendar dates and times for which monitoring systems used to monitor operating limits were inoperative, inactive, malfunctioning, or out of control (except for downtime associated with zero and span and other routine calibration checks). Identify the operating parameters not measured, the duration, reasons for not obtaining the data, and a description of corrective actions taken.
- (9) Record the calendar dates, times, and duration of malfunctions, include a description of each malfunction and the corrective action taken for each.
- (10) Identify and record calendar dates and times for which data show a deviation from Operating Limitation #2 and Operating Limitations #9 through #15 (include a description of the deviations, reasons for such deviations, and a description of corrective actions taken).
- (11) Record the results of the initial, annual, and any subsequent performance tests conducted to determine compliance with the emission limits and/or to establish operating limits, as applicable. Retain a copy of the complete test report including calculations.
- (12) The siting analysis prepared as part of the initial construction/operation application for the incinerator shall be recorded at the source.
- (13) Record all the site-specific information applicable to the source.
- (14) Record date and correction needed, if applicable, for monitoring device calibrations.
- (15) Record equipment vendor specifications and related operation and maintenance requirements for the incinerator, scrubber, and monitoring equipment.
- (16) On a daily basis, record in a log the quantity of each waste burned and the types of waste burned.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**6. Specific Reporting Requirements:****40 CFR 60 Subpart CCCC, 401 KAR 59:020, and agreement with the division**

The reporting requirements shall be certified by a responsible official, and delivered by electronic media (such as fax or e-mail) or postmarked to the Division's Paducah Regional Office and the U.S. EPA Region IV as indicated in the requirements. The certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the documents are true, accurate, and complete. Name, title, and signature of the responsible official are required.

- (1) At least 30 days prior to initial startup of the incinerator, a debugging plan shall be submitted to the EPA and the Regional Office (as indicated above) with an additional copy sent to Mr. Rick Shewekah at 803 Schenkel Lane, Frankfort, Kentucky 40601.
- (2) After issuance of the proposed or final permit and prior to commencing construction, report the anticipated date of initial startup.
- (3) The facilities manager shall sign and report no later than 45 days following completion of fieldwork
 - a. All initial performance test reports,
 - b. Numeric values and units for limits described in Operating Limitations #9 through #15 that are determined through the initial performance tests,
 - c. Any subsequent performance test reports that follow an initial test that demonstrates a deviation from the applicable emission limitation (until compliance is demonstrated), and
 - d. Numeric values and units for limits described in Operating Limitations #9 through #15 that are determined through any subsequent performance tests that follow an initial test that demonstrates a deviation from the applicable emission limitation (until compliance is demonstrated).
- (4) Assuming that the initial performance tests or subsequent tests demonstrate compliance with the applicable requirements, the facilities manager shall sign and report no later than 45 days following completion of fieldwork
 - a. All subsequent performance test reports, and
 - b. Numeric values and units for limits described in Operating Limitations #9 through #15.
- (5) Report when all qualified operators are temporarily not accessible for periods greater than 2 weeks as described in Operating Limitation #8b.
- (6) Report semiannually when compliance was not demonstrated for Operating Limitations #9 through #15, unless compliance was not demonstrated for a period in excess of 4 hours. If compliance was not demonstrated for a period in excess of 4 hours, report with 10 business days. Include:
 - a. The calendar dates and times when compliance was not demonstrated,
 - b. The averaged and recorded data for those dates,
 - c. Durations, causes, and corrective actions associated with each deviation,
 - d. A copy of all automated monitoring data for the incinerator recorded during each deviation and any test report that documents the emission levels,

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**6. Specific Reporting Requirements: (continued)**

- e. The dates, times, number, duration, and causes for monitor downtime incidents (other than downtime associated with zero, span, and other routine calibration checks), and
 - f. Whether each deviation occurred during a period of startup, shutdown, or malfunction, or during another period.
- (7) Submit an annual report including:
- a. Company name and address,
 - b. Date of report and beginning and ending dates of the reporting period,
 - c. The values for limits described in Operating Limitations #9 through #15,
 - d. A statement that compliance was demonstrated for Operating Limitations #9 through #15 during all times during the reporting period and that no monitoring system used to determine compliance with the operating limits was inoperative, inactive, malfunctioning or out of control if Specific Reporting Requirement #6 is not triggered during the reporting period,
 - e. The highest recorded 3-hour average incinerator charge rate and the lowest recorded 3-hour average scrubber pressure drop, scrubber liquor flow rate, scrubber liquor pH, incinerator primary chamber exit temperature, incinerator secondary chamber exit temperature, and incinerator secondary chamber exit oxygen concentration recorded for the calendar year being reported,
 - f. Information recorded as a result of compliance with Specific Record Keeping Requirements #8, #9, and #10,
 - g. Annual tests that were not performed due to extensions during the reporting period (if the division approved an extended period between tests), and
 - h. Periods when all qualified operators were unavailable for more than 8 hours, but less than 2 weeks.

7. Specific Control Equipment Operating Conditions:

The Specific Control Equipment Operating Conditions are contained in the Operating Limitations above.

8. Alternate Operating Scenarios:

N/A

SECTION C - INSIGNIFICANT ACTIVITIES

The following listed activities have been determined to be insignificant activities for this source pursuant to 401 KAR 52:020, Section 6. While these activities are designated as insignificant the permittee must comply with the applicable regulation and some minimal level of periodic monitoring may be necessary.

	<u>Description</u>	<u>Generally Applicable Regulation</u>
1.	Rough-cut foam machine	401 KAR 59:010
2.	Mold and trim presses	None
3.	A Cannon C-300 foam production machine (Compounds containing polyether polyol and an aromatic isocyanate blend are mixed in a pour head to make foam buns. From the pour head, the mixture is poured into a mold where the foam starts to rise due to CO ₂ generated. The foam is held in the mold for approximately 20 minutes before it is removed. The foam bun is then allowed to cure for at least 24 hours. The maximum foam production rate is estimated to be 1,326 lbs/hr. Construction commenced in 1995.)	None

SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS

N/A

SECTION E - SOURCE CONTROL EQUIPMENT REQUIREMENTS

1. Pursuant to 401 KAR 50:055, Section 2(5), at all times, including periods of startup, shutdown and malfunction, owners and operators shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Division which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.

SECTION F - MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS

1. Pursuant to Section 1b (IV)1 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26, when continuing compliance is demonstrated by periodic testing or instrumental monitoring, the permittee shall compile records of required monitoring information that include:
 - a. Date, place as defined in this permit, and time of sampling or measurements;
 - b. Analyses performance dates;
 - c. Company or entity that performed analyses;
 - d. Analytical techniques or methods used;
 - e. Analyses results; and
 - f. Operating conditions during time of sampling or measurement.
2. Records of all required monitoring data and support information, including calibrations, maintenance records, and original strip chart recordings, and copies of all reports required by the Division for Air Quality, shall be retained by the permittee for a period of five years and shall be made available for inspection upon request by any duly authorized representative of the Division for Air Quality [Sections 1b(IV) 2 and 1a(8) of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
3. In accordance with the requirements of 401 KAR 52:020 Section 3(1)h the permittee shall allow authorized representatives of the Cabinet to perform the following during reasonable times:
 - a. Enter upon the premises to inspect any facility, equipment (including air pollution control equipment), practice, or operation;
 - b. To access and copy any records required by the permit;
 - c. Sample or monitor, at reasonable times, substances or parameters to assure compliance with the permit or any applicable requirements.Reasonable times are defined as during all hours of operation, during normal office hours; or during an emergency.
4. No person shall obstruct, hamper, or interfere with any Cabinet employee or authorized representative while in the process of carrying out official duties. Refusal of entry or access may constitute grounds for permit revocation and assessment of civil penalties.
5. Summary reports of any monitoring required by this permit, other than continuous emission or opacity monitors, shall be submitted to the Regional Office listed on the front of this permit at least every six (6) months during the life of this permit, unless otherwise stated in this permit. For emission units that were still under construction or which had not commenced operation at the end of the 6-month period covered by the report and are subject to monitoring requirements in this permit, the report shall indicate that no monitoring was performed during the previous six months because the emission unit was not in operation [Section 1b (V)1 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].

SECTION F - MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS (CONTINUED)

6. The semi-annual reports are due by January 30th and July 30th of each year. Data from the continuous emission and opacity monitors shall be reported to the Technical Services Branch in accordance with the requirements of 401 KAR 59:005, General Provisions, Section 3(3). All reports shall be certified by a responsible official pursuant to 401 KAR 52:020 Section 23. All deviations from permit requirements shall be clearly identified in the reports.
7. In accordance with the provisions of 401 KAR 50:055, Section 1 the owner or operator shall notify the Regional Office listed on the front of this permit concerning startups, shutdowns, or malfunctions as follows:
 - a. When emissions during any planned shutdowns and ensuing startups will exceed the standards, notification shall be made no later than three (3) days before the planned shutdown, or immediately following the decision to shut down, if the shutdown is due to events which could not have been foreseen three (3) days before the shutdown.
 - b. When emissions due to malfunctions, unplanned shutdowns and ensuing startups are or may be in excess of the standards, notification shall be made as promptly as possible by telephone (or other electronic media) and shall be submitted in writing upon request.
8. The owner or operator shall report emission related exceedances from permit requirements including those attributed to upset conditions (other than emission exceedances covered by Section F.7. above) to the Regional Office listed on the front of this permit within *30 days*. Other deviations from permit requirements shall *be included in the semiannual report required by Section F.6* [Section 1b (V) 3, 4. of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
9. Pursuant to 401 KAR 52:020, Permits, Section 21, the permittee shall annually certify compliance with the terms and conditions contained in this permit, by completing and returning a Compliance Certification Form (DEP 7007CC) (or an alternative approved by the regional office) to the Regional Office listed on the front of this permit and the U.S. EPA in accordance with the following requirements:
 - a. Identification of the term or condition;
 - b. Compliance status of each term or condition of the permit;
 - c. Whether compliance was continuous or intermittent;
 - d. The method used for determining the compliance status for the source, currently and over the reporting period.
 - e. For an emissions unit that was still under construction or which has not commenced operation at the end of the 12-month period covered by the annual compliance certification, the permittee shall indicate that the unit is under construction and that compliance with any applicable requirements will be demonstrated within the timeframes specified in the permit.

SECTION F - MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS (CONTINUED)

- f. The certification shall be postmarked by January 30th of each year. Annual compliance certifications should be mailed to the following addresses:

Division for Air Quality
Paducah Regional Office
4500 Clarks River Road
Paducah, KY 42003

U.S. EPA Region 4
Air Enforcement Branch
Atlanta Federal Center
61 Forsyth St.
Atlanta, GA 30303-8960

Division for Air Quality
Central Files
803 Schenkel Lane
Frankfort, KY 40601

10. In accordance with 401 KAR 52:020, Section 22, the permittee shall provide the Division with all information necessary to determine its subject emissions within thirty (30) days of the date the KYEIS emission survey is mailed to the permittee.
11. Results of performance test(s) required by the permit shall be submitted to the Division by the source or its representative within forty-five days or sooner if required by an applicable standard, after the completion of the fieldwork.

SECTION G - GENERAL PROVISIONS(a) General Compliance Requirements

1. The permittee shall comply with all conditions of this permit. Noncompliance shall be a violation of 401 KAR 52:020 and of the Clean Air Act and is grounds for enforcement action including but not limited to termination, revocation and reissuance, revision or denial of a permit [Section 1a, 3 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020 Section 26].
2. The filing of a request by the permittee for any permit revision, revocation, reissuance, or termination, or of a notification of a planned change or anticipated noncompliance, shall not stay any permit condition [Section 1a, 6 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
3. This permit may be revised, revoked, reopened and reissued, or terminated for cause in accordance with 401 KAR 52:020, Section 19. The permit will be reopened for cause and revised accordingly under the following circumstances:
 - a. If additional applicable requirements become applicable to the source and the remaining permit term is three (3) years or longer. In this case, the reopening shall be completed no later than eighteen (18) months after promulgation of the applicable requirement. A reopening shall not be required if compliance with the applicable requirement is not required until after the date on which the permit is due to expire, unless this permit or any of its terms and conditions have been extended pursuant to 401 KAR 52:020, Section 12;
 - b. The Cabinet or the U. S. EPA determines that the permit must be revised or revoked to assure compliance with the applicable requirements;
 - c. The Cabinet or the U. S. EPA determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit;

Proceedings to reopen and reissue a permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of the permit for which cause to reopen exists. Reopenings shall be made as expeditiously as practicable. Reopenings shall not be initiated before a notice of intent to reopen is provided to the source by the Division, at least thirty (30) days in advance of the date the permit is to be reopened, except that the Division may provide a shorter time period in the case of an emergency.

4. The permittee shall furnish information upon request of the Cabinet to determine if cause exists for modifying, revoking and reissuing, or terminating the permit; or to determine compliance with the conditions of this permit [Section 1a, 7,8 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
5. The permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such facts or corrected information to the permitting authority [401 KAR 52:020, Section 7(1)].

SECTION G - GENERAL PROVISIONS (CONTINUED)

6. Any condition or portion of this permit which becomes suspended or is ruled invalid as a result of any legal or other action shall not invalidate any other portion or condition of this permit [Section 1a, 14 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
7. The permittee shall not use as a defense in an enforcement action the contention that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance [Section 1a, 4 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
8. Except for requirements identified in this permit as state-origin requirements, all terms and conditions shall be enforceable by the United States Environmental Protection Agency and citizens of the United States [Section 1a, 15 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
9. This permit shall be subject to suspension if the permittee fails to pay all emissions fees within 90 days after the date of notice as specified in 401 KAR 50:038, Section 3(6) [Section 1a, 10 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
10. Nothing in this permit shall alter or affect the liability of the permittee for any violation of applicable requirements prior to or at the time of permit issuance [401 KAR 52:020, Section 11(3)(b)].
11. This permit does not convey property rights or exclusive privileges [Section 1a, 9 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
12. Issuance of this permit does not relieve the permittee from the responsibility of obtaining any other permits, licenses, or approvals required by the Kentucky Cabinet for Environmental and Public Protection or any other federal, state, or local agency.
13. Nothing in this permit shall alter or affect the authority of U.S. EPA to obtain information pursuant to Federal Statute 42 USC 7414, Inspections, monitoring, and entry [401 KAR 52:020, Section 11(3)(d)].
14. Nothing in this permit shall alter or affect the authority of U.S. EPA to impose emergency orders pursuant to Federal Statute 42 USC 7603, Emergency orders [401 KAR 52:020, Section 11(3)(a)].
15. This permit consolidates the authority of any previously issued PSD, NSR, or Synthetic Minor source preconstruction permit terms and conditions for various emission units and incorporates all requirements of those existing permits into one single permit for this source.

SECTION G - GENERAL PROVISIONS (CONTINUED)

16. Pursuant to 401 KAR 52:020, Section 11, a permit shield shall not protect the owner or operator from enforcement actions for violating an applicable requirement prior to or at the time of issuance. Compliance with the conditions of a permit shall be considered compliance with:
 - a. Applicable requirements that are included and specifically identified in the permit and
 - b. Non-applicable requirements expressly identified in this permit.
17. Pursuant to 401 KAR 50:045, Section 2, a source required to conduct a performance test shall submit a completed Compliance Test Protocol form, DEP form 6028, or a test protocol a source has developed for submission to other regulatory agencies, in a format approved by the cabinet, to the Division's Frankfort Central Office a minimum of sixty (60) days prior to the scheduled test date. Pursuant to 401 KAR 50:045, Section 7, the Division shall be notified of the actual test date at least Thirty (30) days prior to the test.

(b) Permit Expiration and Reapplication Requirements

1. This permit shall remain in effect for a fixed term of five (5) years following the original date of issue. Permit expiration shall terminate the source's right to operate unless a timely and complete renewal application has been submitted to the Division at least six months prior to the expiration date of the permit. Upon a timely and complete submittal, the authorization to operate within the terms and conditions of this permit, including any permit shield, shall remain in effect beyond the expiration date, until the renewal permit is issued or denied by the Division [401 KAR 52:020, Section 12].
2. The authority to operate granted shall cease to apply if the source fails to submit additional information requested by the Division after the completeness determination has been made on any application, by whatever deadline the Division sets [401 KAR 52:020 Section 8(2)].

(c) Permit Revisions

1. A minor permit revision procedure may be used for permit revisions involving the use of economic incentive, marketable permit, emission trading, and other similar approaches, to the extent that these minor permit revision procedures are explicitly provided for in the SIP or in applicable requirements and meet the relevant requirements of 401 KAR 52:020, Section 14(2).
2. This permit is not transferable by the permittee. Future owners and operators shall obtain a new permit from the Division for Air Quality. The new permit may be processed as an administrative amendment if no other change in this permit is necessary, and provided that a written agreement containing a specific date for transfer of permit responsibility coverage and liability between the current and new permittee has been submitted to the permitting authority within ten (10) days following the transfer.

(d) Construction, Start-Up, and Initial Compliance Demonstration Requirements
None

SECTION G - GENERAL PROVISIONS (CONTINUED)

(e) Acid Rain Program Requirements

1. If an applicable requirement of Federal Statute 42 USC 7401 through 7671q (the Clean Air Act) is more stringent than an applicable requirement promulgated pursuant to Federal Statute 42 USC 7651 through 7651o (Title IV of the Act), both provisions shall apply, and both shall be state and federally enforceable.

(f) Emergency Provisions

1. Pursuant to 401 KAR 52:020 Section 24(1), an emergency shall constitute an affirmative defense to an action brought for the noncompliance with the technology-based emission limitations if the permittee demonstrates through properly signed contemporaneous operating logs or relevant evidence that:
 - a. An emergency occurred and the permittee can identify the cause of the emergency;
 - b. The permitted facility was at the time being properly operated;
 - c. During an emergency, the permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards or other requirements in the permit; and
 - d. Pursuant to 401 KAR 52:020, 401 KAR 50:055, and KRS 224.01-400, the permittee notified the Division as promptly as possible and submitted written notice of the emergency to the Division when emission limitations were exceeded due to an emergency. The notice shall include a description of the emergency, steps taken to mitigate emissions, and corrective actions taken.
 - e. This requirement does not relieve the source of other local, state or federal notification requirements.
2. Emergency conditions listed in General Condition (f)1 above are in addition to any emergency or upset provision(s) contained in an applicable requirement [401 KAR 52:020, Section 24(3)].
3. In an enforcement proceeding, the permittee seeking to establish the occurrence of an emergency shall have the burden of proof [401 KAR 52:020, Section 24(2)].

(g) Risk Management Provisions

1. The permittee shall comply with all applicable requirements of 401 KAR Chapter 68, Chemical Accident Prevention, which incorporates by reference 40 CFR Part 68, Risk Management Plan provisions. If required, the permittee shall comply with the Risk Management Program and submit a Risk Management Plan to:

RMP Reporting Center
P.O. Box 1515
Lanham-Seabrook, MD 20703-1515.

2. If requested, submit additional relevant information to the Division or the U.S. EPA.

SECTION G - GENERAL PROVISIONS (CONTINUED)

(h) Ozone depleting substances

1. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:
 - a. Persons opening appliances for maintenance, service, repair, or disposal shall comply with the required practices contained in 40 CFR 82.156.
 - b. Equipment used during the maintenance, service, repair, or disposal of appliances shall comply with the standards for recycling and recovery equipment contained in 40 CFR 82.158.
 - c. Persons performing maintenance, service, repair, or disposal of appliances shall be certified by an approved technician certification program pursuant to 40 CFR 82.161.
 - d. Persons disposing of small appliances, MVACs, and MVAC-like appliances (as defined at 40 CFR 82.152) shall comply with the recordkeeping requirements pursuant to 40 CFR 82.166
 - e. Persons owning commercial or industrial process refrigeration equipment shall comply with the leak repair requirements pursuant to 40 CFR 82.156.
 - f. Owners/operators of appliances normally containing 50 or more pounds of refrigerant shall keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166.
2. If the permittee performs service on motor (fleet) vehicle air conditioners containing ozone-depleting substances, the source shall comply with all applicable requirements as specified in 40 CFR 82, Subpart B, *Servicing of Motor Vehicle Air Conditioners*.

SECTION H - ALTERNATE OPERATING SCENARIOS

N/A

SECTION I - COMPLIANCE SCHEDULE

N/A